

AMENDMENTS TO SPECIFICATION

Please replace paragraphs 0001 and 0002 with the following re-written paragraphs, as revised:

[0001] The present application is a divisional application of Serial No. 09/846,135, filed April 30, 2001, which in turn is a continuation-in-part application of Serial No. 09/823,195, filed March 29, 2001, which in turn is a continuation-in-part application of Serial No. 09/759,438, filed January 12, 2001, now U.S. Patent No. 6,512,119, issued January 28, 2003, which in turn is a continuation-in-part application of Serial No. 09/738,793, filed December 14, 2000.

[0002] The present application is also related to the following applications and patents: Serial Numbers 09/280,048 (“Chemically Synthesized and Assembled Electronic Devices”), now U.S. Patent 6,459,095, issued October 1, 2002; 09/280,225 (“Molecular Wire Crossbar ~~Interconnects~~ Interconnect for Signal Routing and Communications”), now U.S. Patent 6,314,019, issued November 6, 2001; 09/282,045 (“Molecular Wire Crossbar Logic”); 09/282,049 (“Demultiplexer for a Molecular Wire Crossbar Network”), now U.S. Patent 6,256,767, issued July 3, 2001; all filed on March 29, 1999, and Serial No. 09/699,080, filed on October 26, 2000, which is a divisional application of Serial No. 09/280,188, filed on March 29, 1999 (“Molecular Wire Transistors”), now abandoned, ~~all filed on March 29, 1999,~~ and U.S. Patent 6,128,214, issued on October 3, 2000 (“Molecular Wire Crossbar Memory”), and U.S. Patent 6,559,468, issued May 6, 2003, which is a divisional application of Serial No. 09/280,188, filed on March 29, 1999, now abandoned.